State of California
Department of Food and Agriculture
Division of Measurement Standards

Certificate Number: 5407-04

California Type Evaluation Program
Certificate of Approval
for Weighing and Measuring Devices

For:

Scale System Controller
Hopper Scale Application
Model: TB-C48
Version: 1.86

Submitted by:

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Standard Features and Options

Primary weight indications and motion detection are provided by compatible and certified indicating element

Unit conversion
Multiple load receiving element capabilities
Weight ticket printing system
Vehicle, customer, and product ID
System safety interlocks

Minimum system requirements:	Computer display Alphanumeric keyboard Printer, mouse
Operating system:	Windows 2000, XP
Program language:	C++
Hardware:	2 GHz Pentium IV processor, 256 MB RAM

Option: Touch-screen operation

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: October 7, 2004

Mike Cleary, Director

MPAQ Automation Inc.
Scale System Controller
Model: TB-C48

Application: Scale system controller designed for construction materials batching when used with certified and compatible indicating and weighing elements.

Identification: The identification information is displayed on the upper right hand side of the batching screen.

Sealing: The system requires no provision for sealing and is protected by a code retained by the manufacturer. Provisions for sealing metrological parameters are provided by the certified indicating and weighing elements.

Operation: The software is used for batch weighing. Batch formulas are stored for each customer and truck. Product loads are identified by customer, truck, and job numbers. Simulated, aborted loads and duplicate tickets are identified on the weight ticket. Scale parameters are defined in the program and are password protected by the manufacturer.

Test Conditions: The evaluation was conducted in the lab. The PC loaded with the software was interfaced with two Cardinal Model 200 (Certificate of Approval Number 5258-01) indicators, each connected to a load cell simulator. The emphasis of the evaluation was on design, operation, marking, printing format, and interaction with the digital weight indicators.

Results of the evaluation indicate the device complies with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2004 Edition

Tested By: K. Jones (CA)